INTERVAL SHEET

WWCR 80

Pa	age_	1		VDMR Well No	.: Well No. 1300	
Da	ate_	4/15/6	5	Sample Inter	val: from <u>145</u> t	0_334
PF	ROP	Sons In	nc., Blue Star Estates	Total depth_	334	
CC	OMP:	: Matthe	ws Well Drilling Co.	OilGas	WaterX_Explora	tory
		ry: Hanove IR Well No	er (Atlee) b: W-1300	Cuttings_X	CoreOther_	
Fr	com-	-То	From-To	From-To	From-To	From-To
0	_	145 No sa	imple -	_	_	-
145		175	-	_	4	-
175	-	181	(=)	-	-	-
181	-	187	-	-	-	y -
187	-	200	-	-	-	-
200	_	205	-	_	_	_
205		230	-	-	-	3 5
230		260	-	-	-	-
260		277	-	-	-	_
277	-	290	-	-	-	-
290	_	315	_	_	_	-
315		334	-	-	-	-
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OWNER: Sons Incorporated (Blue Star Estates)
DRILLER: Matthews Well Drilling Company

COUNTY: Hanover (Atlee)

VDMR #1300 WWCR #80 TOTAL DEPTH: 334'

GEOLOGIC LOG

0-145 No sample.

Chesapeake Group (145-181')

Shells and Sand — light-gray; about 90% shell fragments, mostly pelecypods, but a few gastropods and phosphatic fish teeth; about 10% fine- to medium-grained, moderately sorted quartz-glauconite sand; small amounts pyrite and black to brown, nodular phosphorite; trace of garnet.

175-181 Sand and Shells — gray; moderately pebbly (quartz, 2-6 mm), medium—to very-coarse-grained, moderately sorted, subangular to subrounded quartz sand with small amounts of fresh gray feldspar, fresh glauconite, and brown to black, nodular phosphorite; trace of pyrite; shell material very abundant, mostly pelecypod shell fragments, but scattered phosphatic fish teeth, gastropods, and corals.

Potomac Group (181-290')

181-187 Sand — buff; medium- to very-coarse-grained, moderately sorted, angular to subangular; clear quartz; some pelecypod shell fragments.

Sand — buff; coarse- to very-coarse-grained, well-sorted, angular to subrounded; 90% angular to subangular clear quartz, many grains with opague inclusions, and 10% subangular to subrounded, white to cream to yellow potassium feldspar; small amounts tourmaline, brown epidote, pyrite, garnet, and black chert.

200-205 As above.

Sand — buff; moderately pebbly (subangular to subrounded quartz, and some feldspar and chert, 2-10 mm); medium— to very-coarse-grained, moderately sorted; 90% angular to subangular quartz, mostly clear, but some yellowish grains and some with opague inclusions; and 10% subangular to subrounded white to yellowish potassium feldspar; scattered fragments of dark, mottled chert; small amounts tourmaline, brown epidote, pink garnet; scattered plant remains.

230-260 As above.

260-277 Sand — buff; coarse-grained, moderately well-sorted, subangular to subrounded; clear to slightly frosted quartz.

OWNER: Sons Incorporated (Blue Star Estates)

#1300

277-290

Sand — gray; very-fine- to very-coarse-grained, poorly sorted, subangular to subrounded; quartz, with small amount feldspar and trace of pyrite.

Petersburg Granite (290-334')

290-315	As above,	but with ac	dmixture of	biotite granite.
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315-334 Biotite Granite - biotite, feldspar, quartz; relative abundance of pink garnet; some pyrite.

GEOLOGIC SUMMARY

	ROCK UNIT	TIME ROCK UNIT
0-145	No sample	
145-181	Chesapeake Group	Miocene
181-290	Potomac Group	Lower Cretaceous
290-334	Petersburg Granite	Paleozoic

Virginia Division of Mineral Resources Robert H. Teifke, Geologist May 6, 1965 OWNER: Sons Incorporated (Blue Star Estates)
DRILLER: Matthews Well Drilling Company

COUNTY: Hanover (Atlee)

VDMR #1300 WWCR #80 TOTAL DEPTH: 334'

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- Sand and Shells gray; moderately pebbly (quartz, 2-6 mm), medium- to very-coarse-grained, moderately sorted, sub-angular to subrounded quartz sand with small amounts of fresh gray feldspar, fresh glauconite, and brown to black, nodular phosphorite; trace of pyrite; shell material very abundant, mostly pelecypod shell fragments, but scattered phosphatic fish teeth, gastropods, and corals.

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Virginia Division of Mineral Resources Robert H. Teifke, Geologist May 6, 1965

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WWCR 80 VDMR Well No.: Well No. 1300 Page Date 4/15/65 Sample Interval: from 145 to 334 PROP: Sons Inc. Elue Star Estates Total depth 334 COMP: Matthews Well Drilling Co. Oil Gas Water X Exploratory COUNTY: Hanover (Atlee) Cuttings X Core Other VDMR Well No: W-1300 From-To From-To From-To From-To From-To 0 - 145 No sample -145 - 175 175 - 181 - 187 181 187 200 200 - 205 205 - 230 230 - 260 260 - 277 277 290 290 - 315 315 - 334